

Figure 1

004240" 15445560

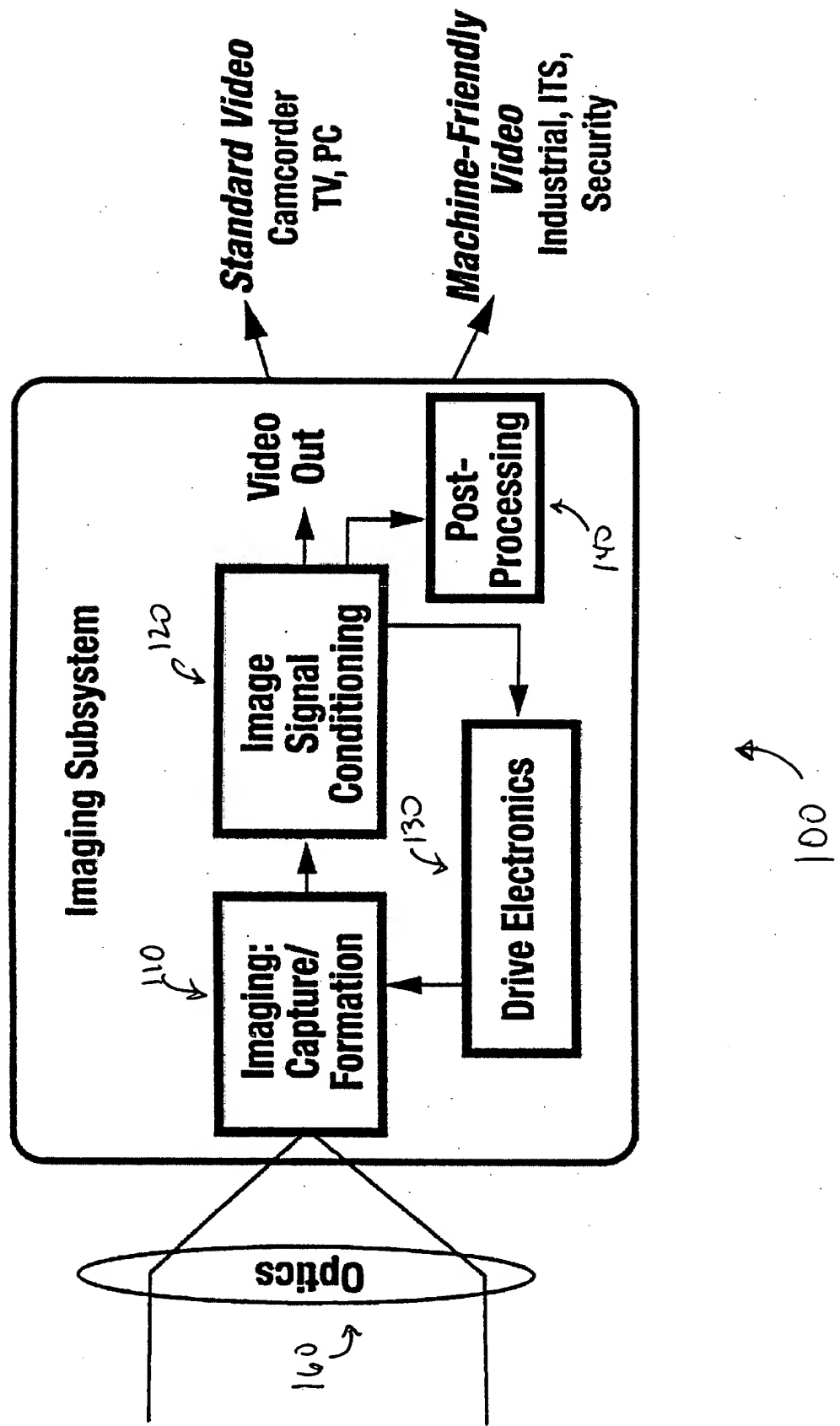
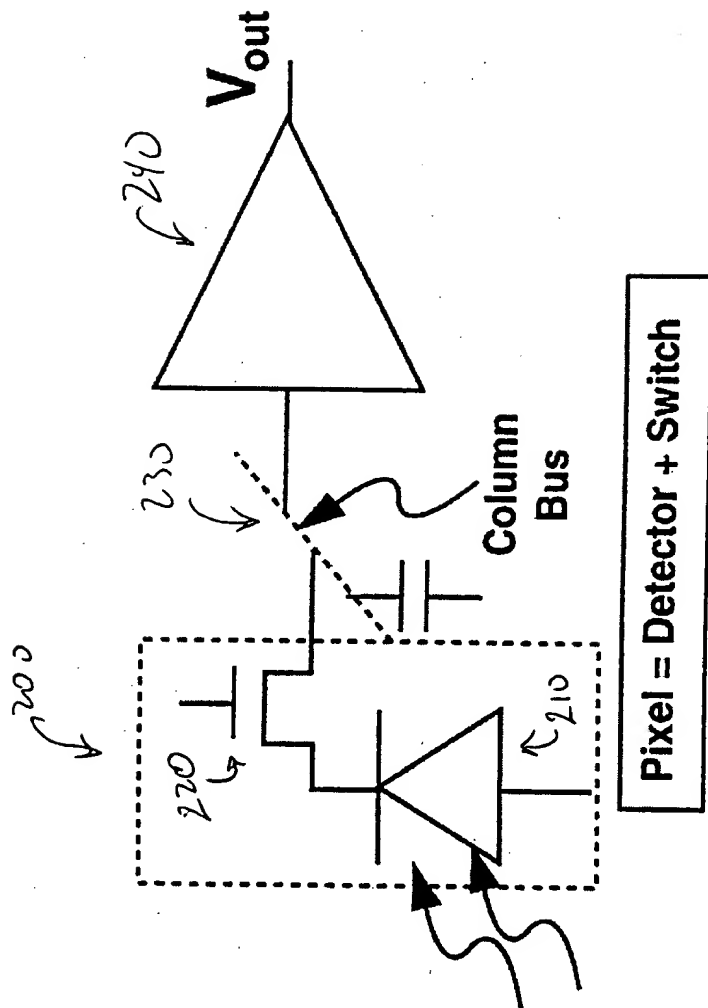
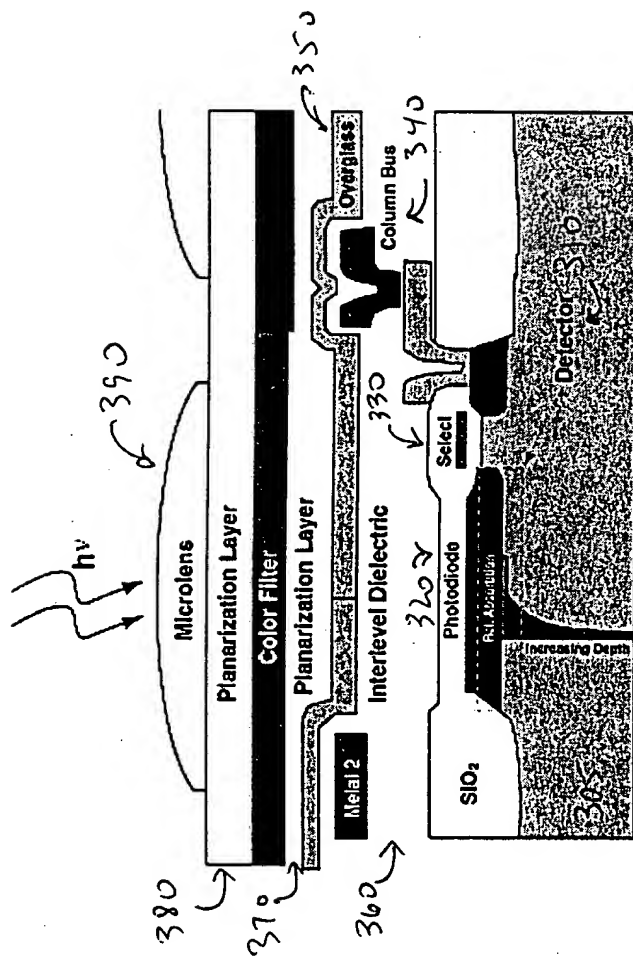


Figure 2



Prior Art

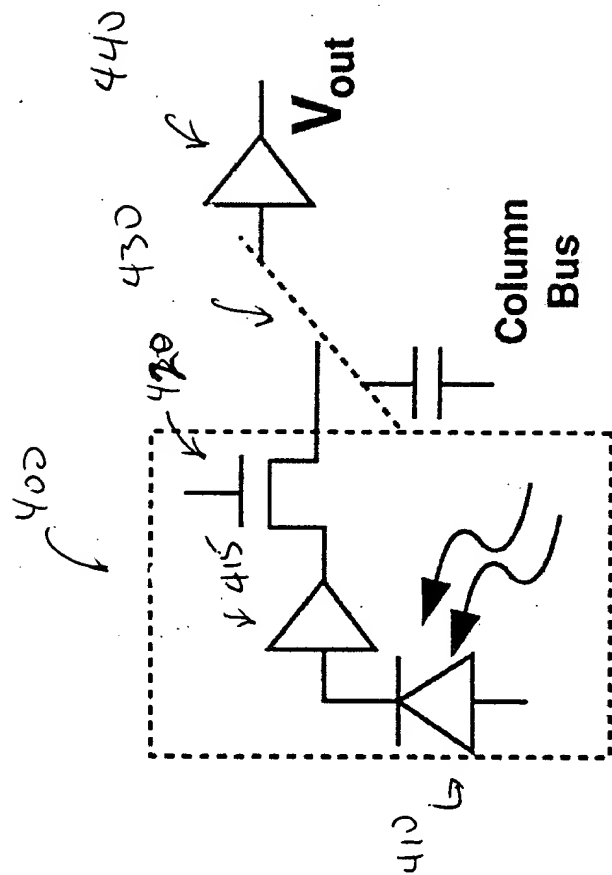
Figure 3



Prior Art

300

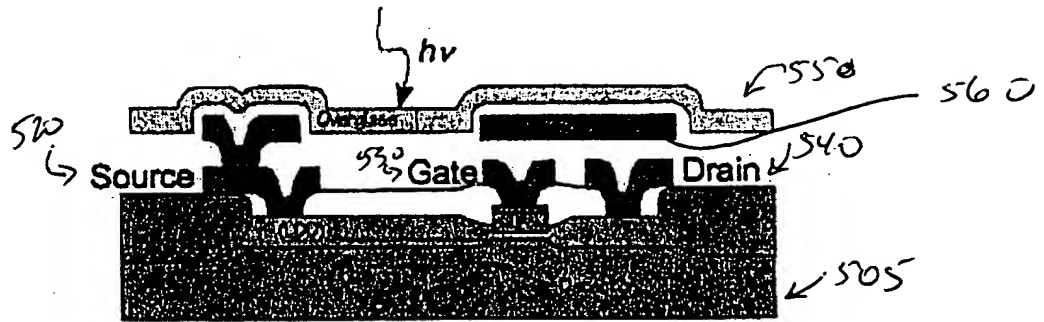
Figure 4



Pixel = Detector + Amplifier + Switch

Prior Art

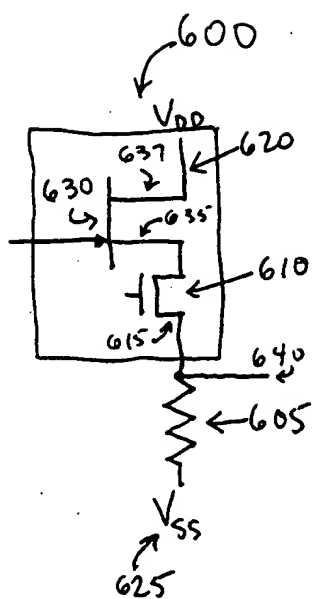
Figure 5



a) Amplified Pixel Cross-Section

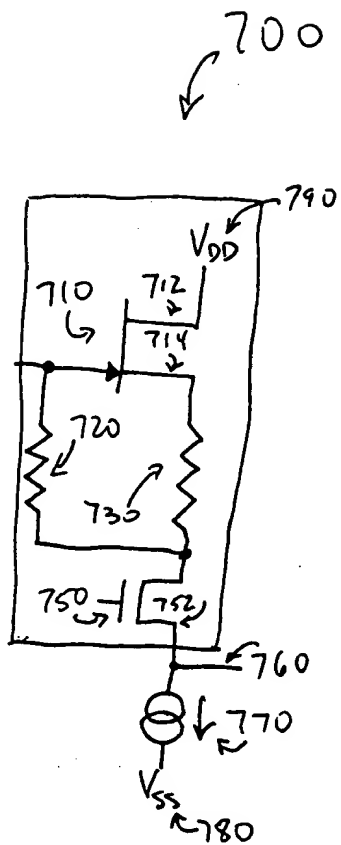
500

Figure 6



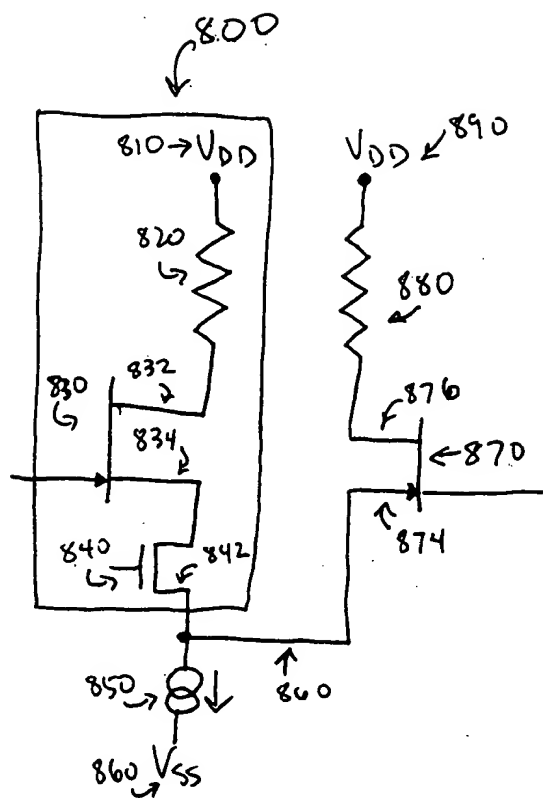
0957454-042400

Figure 7



0957454.042400

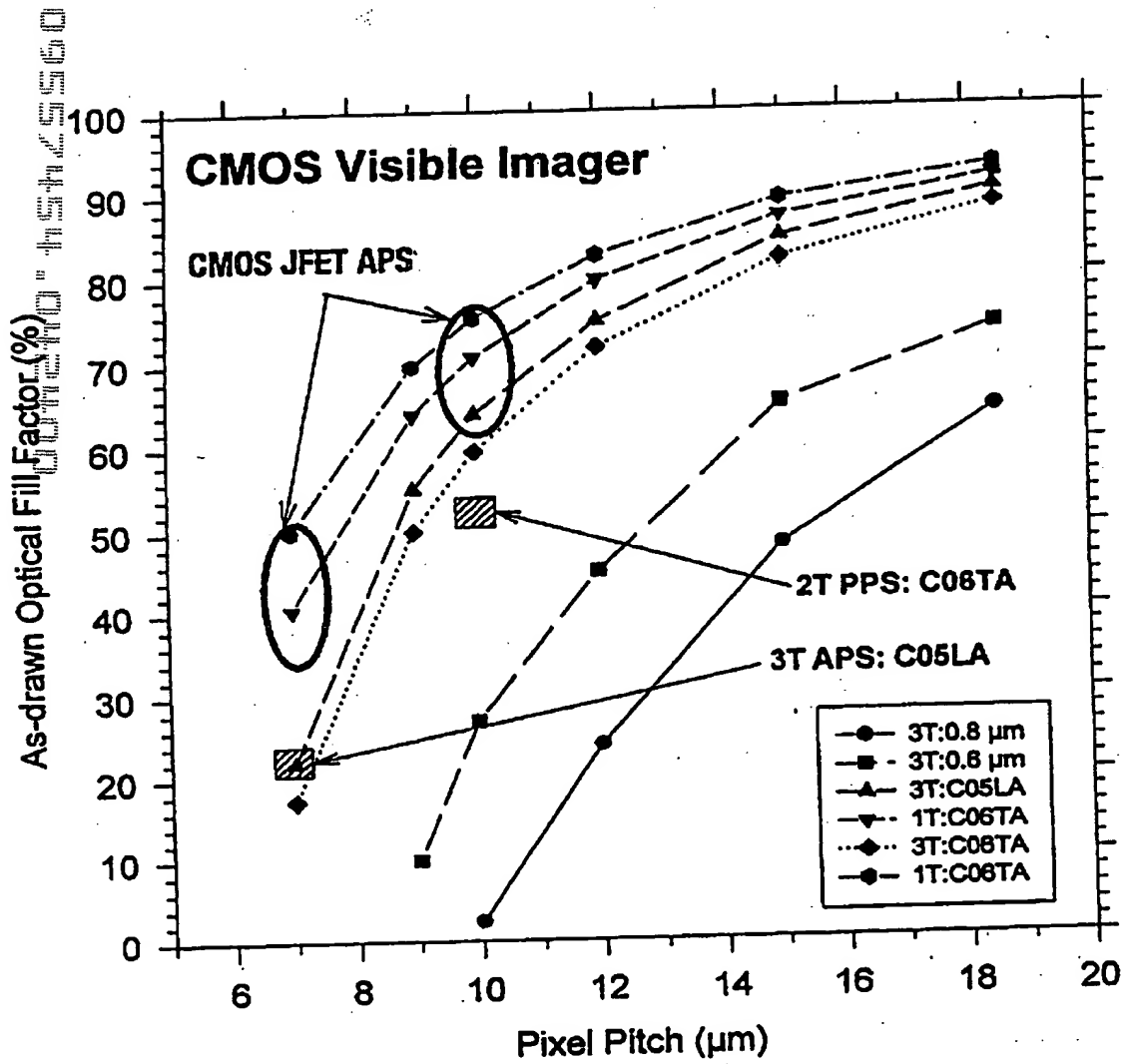
Figure 8



0957454.042400



Figure 9



0057454.04200

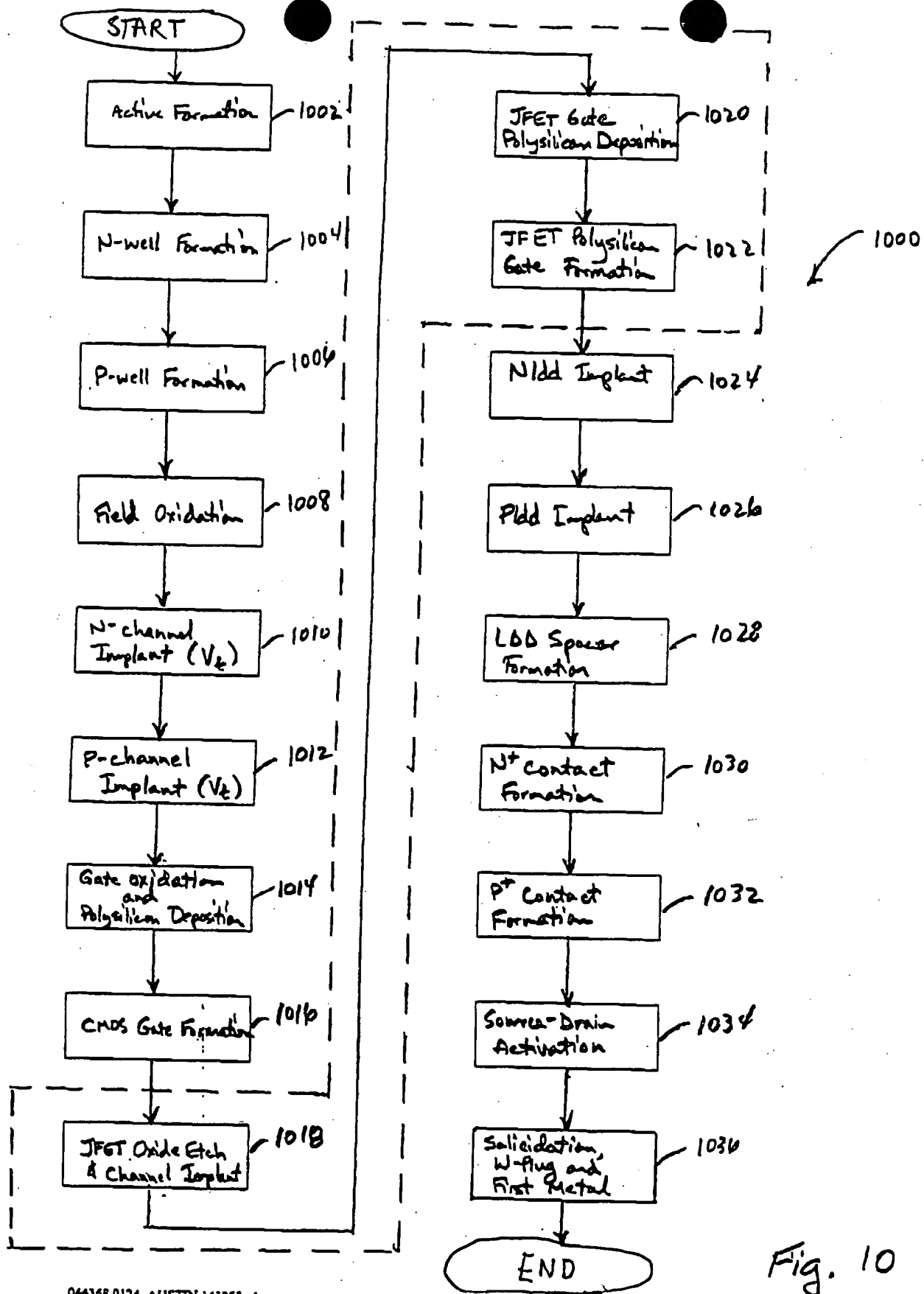


Fig. 10